

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				<p>Complete if Known</p>	
				Application Number	10/583,127
				Filing Date	June 16, 2006
				First Named Inventor	Sugai et al.
				Art Unit	1656
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	1680/14

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
				Application Number	10/583,127
				Filing Date	June 16, 2006
				First Named Inventor	Sugai et al.
				Art Unit	1656
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	1680/14

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	2	<i>Ajdić, D. et al., Genome Sequence of <i>Streptococcus mutans</i> UA159, a cariogenic dental pathogen. PNAS. Vol. 99, No. 22 pgs.:14434-14439 (2002).</i>			
	3	<i>Kim et al., Purification and Properties of Bacteriolytic Enzymes from <i>Bacillus licheniformis</i> YS-1005 against <i>Streptococcus mutans</i>. Bioscience, Biotechnology, and Biochemistry. Vol. 63, No. 1 pgs.:73-77 (1999).</i>			
	4	<i>Shibata et al., Identification and Characterization of an Autolysin-Encoding Gene of <i>Streptococcus mutans</i>. Infection and Immunity. Vol. 73, No. 6 pgs.:3512-3520 (2005).</i>			
	5	Supplementary European Search Report corresponding to International Patent Application No. 04820505.8 – 2403/1716862 dated June 12, 2009.			
	6	<i>Yoshimura et al., Identification and Molecular Characterization of an N-Acetyl muramidase, Aml, Involved in <i>Streptococcus mutans</i> Cell Separation. Microbiology Immunology. Vol. 50, No. 9 pgs.:729-742 (2006).</i>			
	7	<i>Yoshimura et al., Zymographic Characterization of Bacteriolytic Enzymes Produced by Oral Streptococci. Microbiology Immunology. Vol. 48, No. 6 pgs.:465-469 (2004).</i>			

Examiner Signature		Date Considered
--------------------	--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.